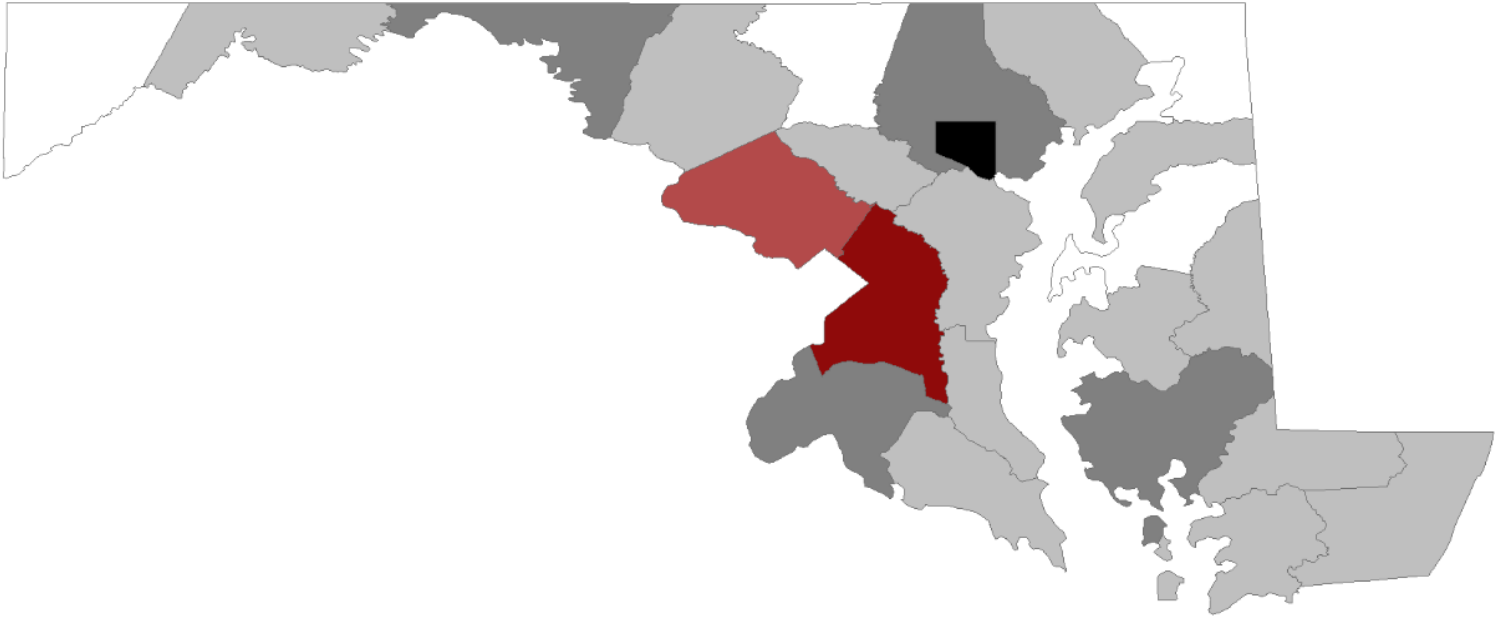


2015



Suburban Region HIV Annual Epidemiological Profile

Data reported through June 30, 2016

Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Epidemiology and Outbreak Response Bureau
Prevention and Health Promotion Administration
Maryland Department of Health and Mental Hygiene
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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.
- Laboratory Chiefs are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmfh.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of 6/30/2016. Nationally, it has been estimated that 13.0% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 16.3% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. Many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. It is important to note that surveillance is an ongoing systematic collection, analysis, interpretation, and dissemination of laboratory data. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses.

In addition to providing estimates of prevalent cases by residence at HIV diagnosis, this epidemiological profile includes estimates for HIV cases whose current residence as of 6/30/2016 was in Maryland. Current residence data are restricted

to cases for which there is a case report form or laboratory test reported between 1/1/2009 and 6/30/2016. Restricting address data to recent years presents the most accurate data available and helps to account for cases that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes cases that may be residents of Maryland but have fallen out of care during the most recent seven years. Current residence utilizes addresses as recent as 2016 but uses laboratory data from 2015 to allow for laboratory reporting.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (six months after December 31st of the specified year) are used to generate the number of diagnoses during the prior years. This lag time allows for delays in reporting and time to complete investigations. Instead of the previous one-year lag, this epidemiological profile utilizes a six-month lag, and as a result, data on exposure category and deaths for the prior year are preliminary. For example, the Reported HIV Diagnoses for 2015 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 01/01/2015-12/31/2015, as reported by name through 6/30/2016.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 6/30/2016 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2015 as reported by name through 6/30/2016.

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "in care."

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), June 30, 2016. The Suburban Region consists of Montgomery County and Prince George's County.

Population data by sex, age, and race/ethnicity are from the July 1, 2015 U.S. Census Estimates and by country-of-birth from the 2014 American Community Survey (note the difference in total population due to different source). Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

Estimations of those undiagnosed are from Centers for Disease Control and Prevention's 2016 HIV Surveillance Supplemental Report published July 2016. The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care "cascade" is used illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Tabulation of Column Totals

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

MSM (Men who have Sex with Men): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Injection Drug Use (IDU): Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

MSM/IDU: Men who report a history of sexual contact with other men who also have engaged in injection drug use.

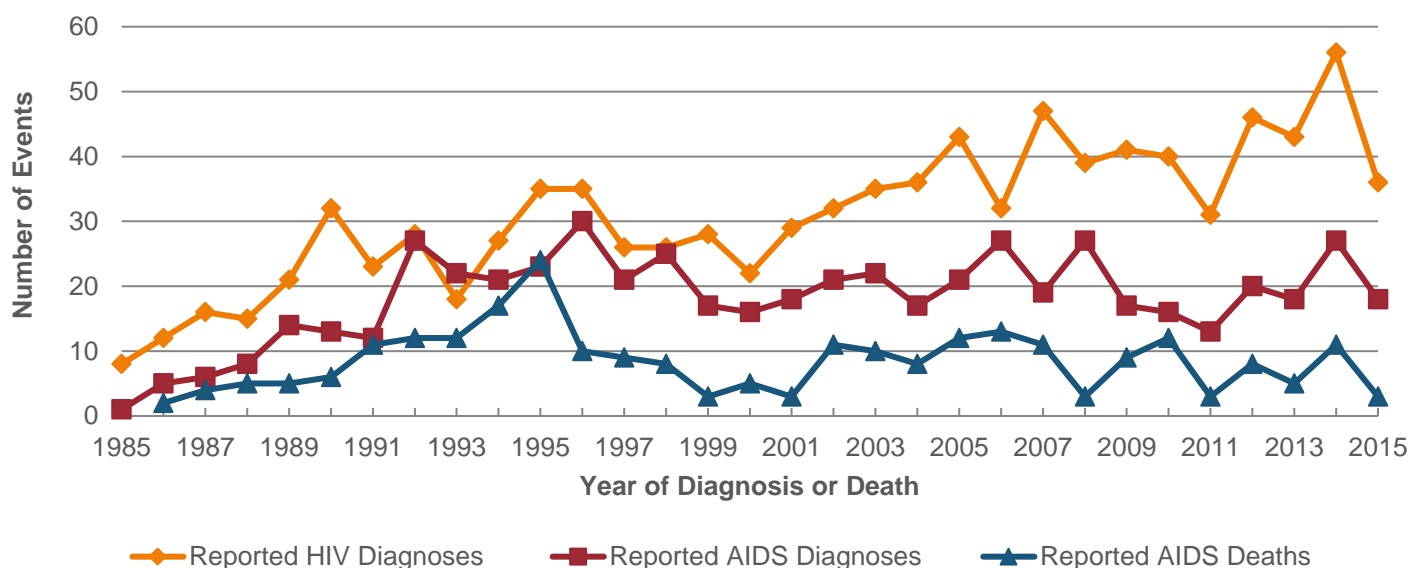
Heterosexual Exposure (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

Perinatal Exposure: Any baby born to an HIV positive mother.

Section II – Trends 1985-2015

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2015, Reported through 6/30/2016

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2015 as Reported through 6/30/2016



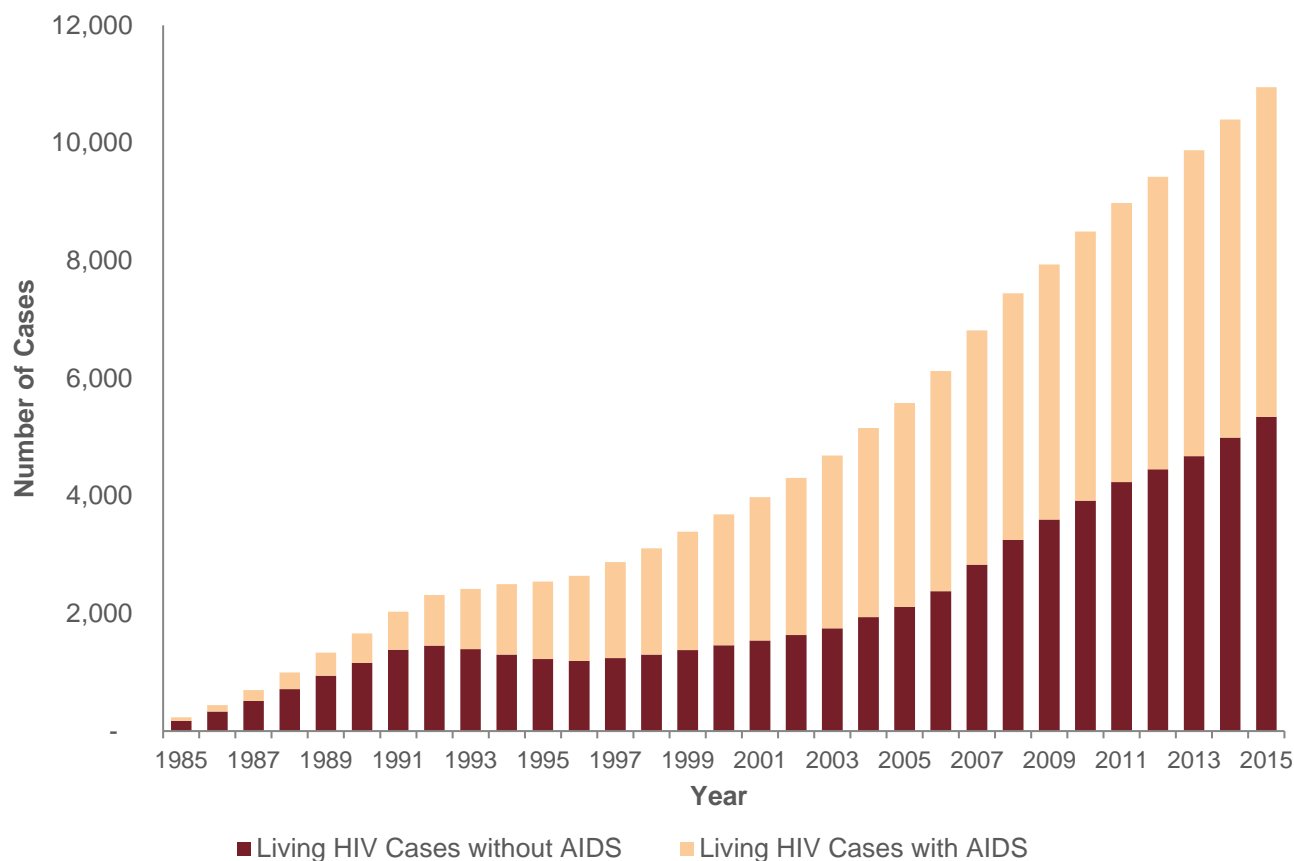
During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS	YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS
<1985	104	55	27	2000	450	347	130
1985	205	88	52	2001	462	349	143
1986	271	115	71	2002	501	376	144
1987	367	191	109	2003	556	423	153
1988	411	209	116	2004	624	420	145
1989	498	271	163	2005	636	443	189
1990	511	298	183	2006	692	397	122
1991	591	368	226	2007	856	393	156
1992	523	444	233	2008	776	335	120
1993	432	467	300	2009	675	279	140
1994	416	508	337	2010	687	347	106
1995	432	494	372	2011	615	278	108
1996	399	423	296	2012	555	324	98
1997	424	361	175	2013	565	322	93
1998	402	322	147	2014	578	277	67*
1999	455	350	149	2015	598	241	49*
				TOTAL	16,267	10,515	4,919

*2014-2015 reported AIDS deaths are preliminary.

Figure 2 – Trends in Living HIV Cases, 1985-2015, Reported through 6/30/2016

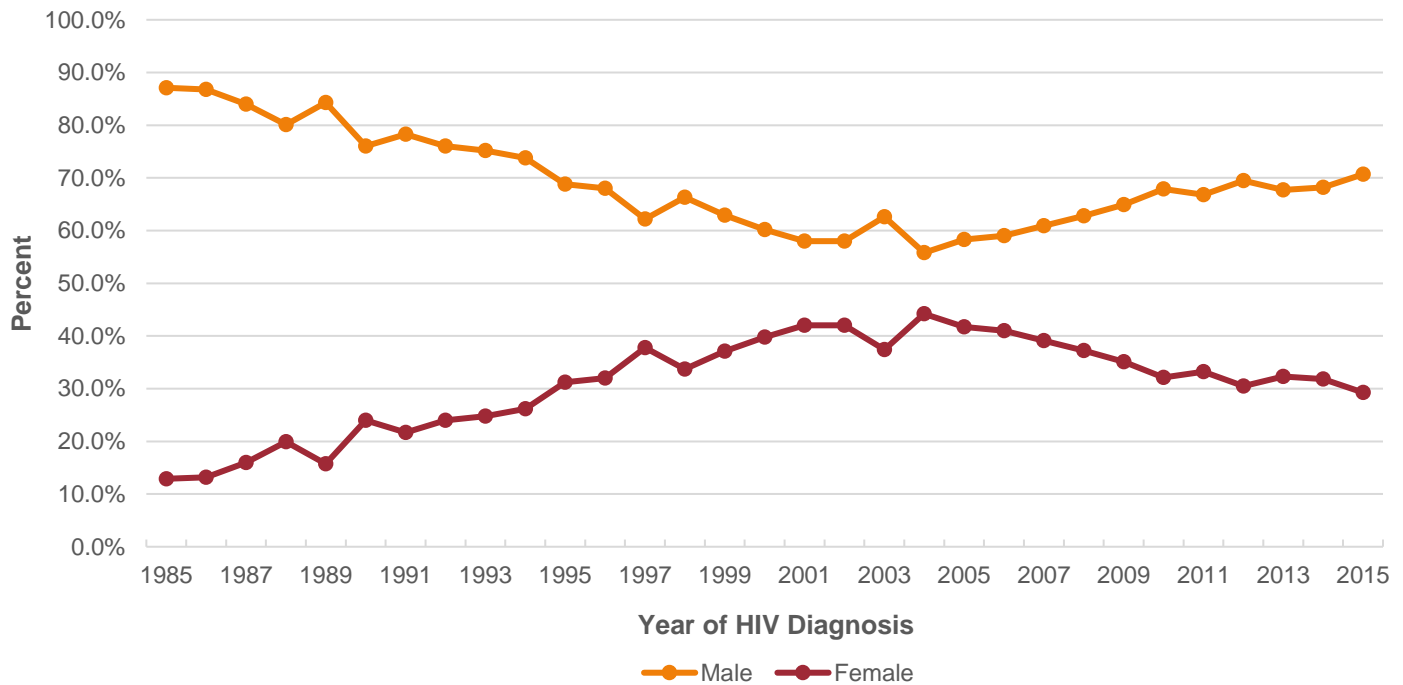
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2015, as Reported through 6/30/2016



YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES	YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES
1985	174	63	237	2000	1,459	2,228	3,687
1986	333	107	440	2001	1,541	2,436	3,977
1987	510	189	699	2002	1,635	2,668	4,303
1988	713	282	995	2003	1,746	2,938	4,684
1989	942	390	1,332	2004	1,939	3,213	5,152
1990	1,158	505	1,663	2005	2,111	3,467	5,578
1991	1,381	647	2,028	2006	2,381	3,742	6,123
1992	1,454	858	2,312	2007	2,832	3,979	6,811
1993	1,394	1,025	2,419	2008	3,251	4,194	7,445
1994	1,300	1,197	2,497	2009	3,600	4,333	7,933
1995	1,223	1,321	2,544	2010	3,921	4,574	8,495
1996	1,193	1,449	2,642	2011	4,234	4,744	8,978
1997	1,239	1,635	2,874	2012	4,454	4,970	9,424
1998	1,300	1,810	3,110	2013	4,677	5,199	9,876
1999	1,378	2,011	3,389	2014	4,992	5,409	10,401
				2015	5,345	5,601	10,946

Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2015, Reported through 6/30/2016

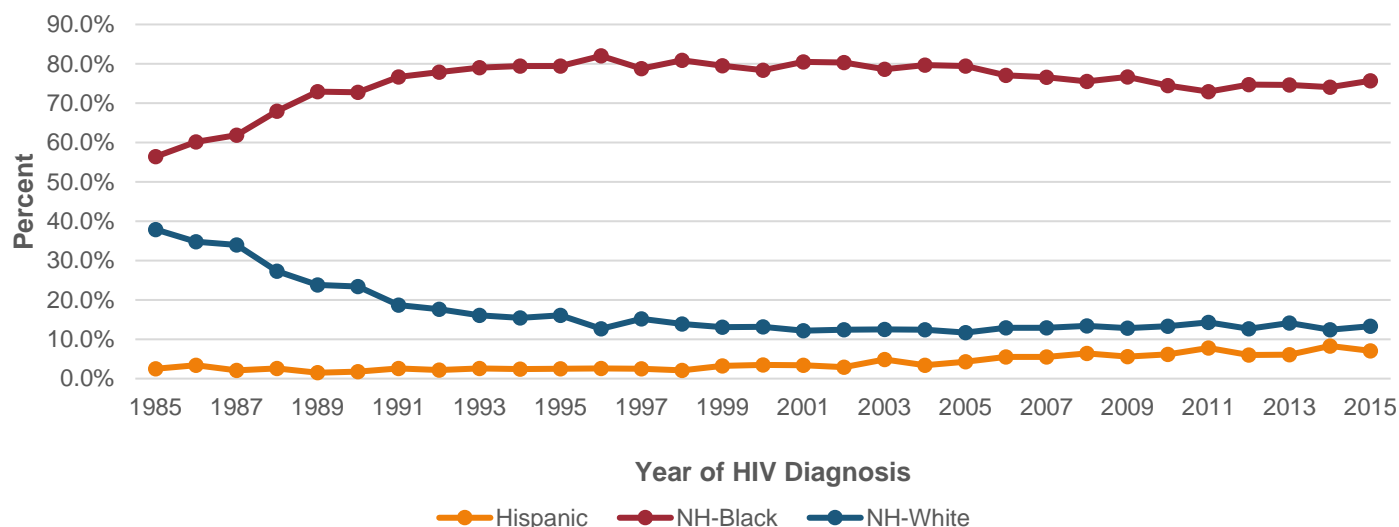
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES			YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES		
	No.	% Male	% Female		No.	% Male	% Female
<1985	102	89.2%	10.8%	2000	445	60.2%	39.8%
1985	201	87.1%	12.9%	2001	457	58.0%	42.0%
1986	266	86.8%	13.2%	2002	491	58.0%	42.0%
1987	362	84.0%	16.0%	2003	553	62.6%	37.4%
1988	408	80.1%	19.9%	2004	620	55.8%	44.2%
1989	492	84.3%	15.7%	2005	628	58.3%	41.7%
1990	501	76.0%	24.0%	2006	681	59.0%	41.0%
1991	580	78.3%	21.7%	2007	838	60.9%	39.1%
1992	512	76.0%	24.0%	2008	772	62.8%	37.2%
1993	424	75.2%	24.8%	2009	672	64.9%	35.1%
1994	409	73.8%	26.2%	2010	686	67.9%	32.1%
1995	423	68.8%	31.2%	2011	611	66.8%	33.2%
1996	388	68.0%	32.0%	2012	554	69.5%	30.5%
1997	421	62.2%	37.8%	2013	563	67.7%	32.3%
1998	398	66.3%	33.7%	2014	575	68.2%	31.8%
1999	442	62.9%	37.1%	2015	598	70.7%	29.3%
				TOTAL	16,073	67.9%	32.1%

Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2015, Reported through 6/30/2016

Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016

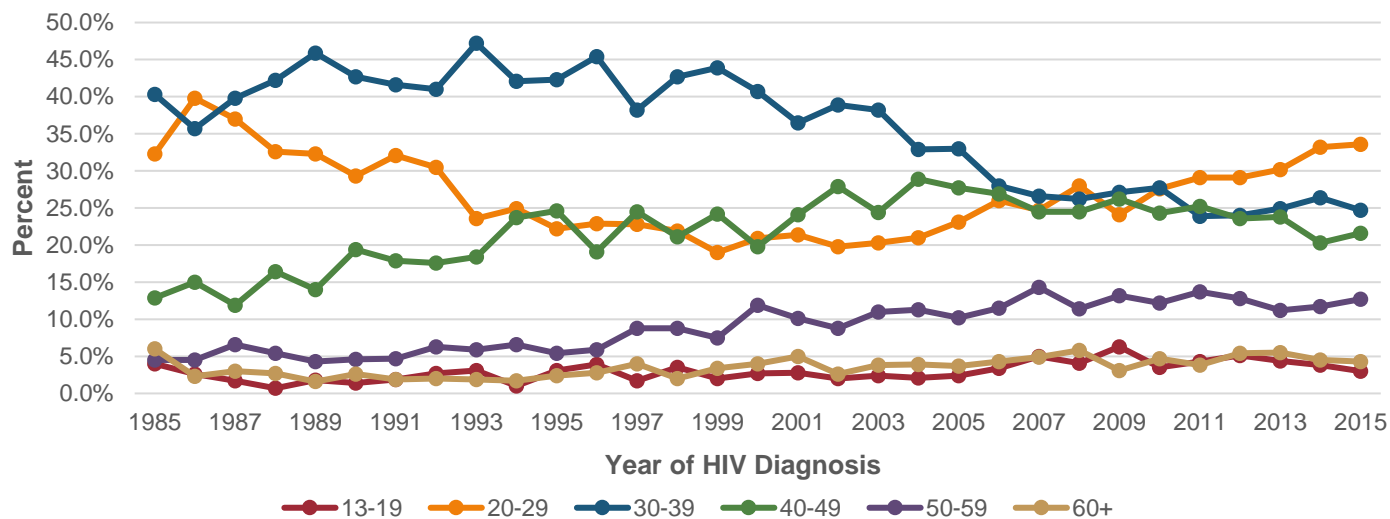


Non-Hispanic Other race not shown

YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES			
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only
<1985	102	2.0%	59.8%	37.3%
1985	201	4.5%	46.3%	45.3%
1986	266	4.5%	51.1%	42.5%
1987	362	2.8%	50.8%	45.6%
1988	408	6.4%	54.9%	36.3%
1989	492	3.5%	62.0%	32.9%
1990	501	3.2%	65.1%	29.1%
1991	580	5.7%	68.8%	23.4%
1992	512	7.0%	69.7%	21.3%
1993	424	6.1%	74.8%	17.0%
1994	409	5.1%	72.6%	19.6%
1995	423	5.4%	78.3%	14.7%
1996	388	7.0%	78.9%	10.8%
1997	421	5.5%	80.0%	13.3%
1998	398	4.8%	81.9%	9.5%
1999	442	6.3%	80.1%	9.5%
2000	445	8.1%	76.4%	11.0%
2001	457	6.8%	82.5%	7.0%
2002	491	6.3%	80.9%	8.1%
2003	553	8.0%	82.1%	6.7%
2004	620	5.5%	83.2%	7.6%
2005	628	7.0%	81.7%	7.0%
2006	681	9.0%	78.1%	8.8%
2007	838	9.5%	76.1%	9.9%
2008	772	10.9%	77.7%	6.5%
2009	672	8.9%	79.9%	6.7%
2010	686	9.2%	77.0%	9.3%
2011	611	11.0%	75.5%	8.5%
2012	554	8.7%	76.9%	7.8%
2013	563	8.9%	80.6%	5.9%
2014	575	11.1%	75.7%	9.0%
2015	598	11.0%	76.9%	8.5%
TOTAL	16,073	7.4%	74.8%	14.2%

Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2015, Reported through 6/30/2016

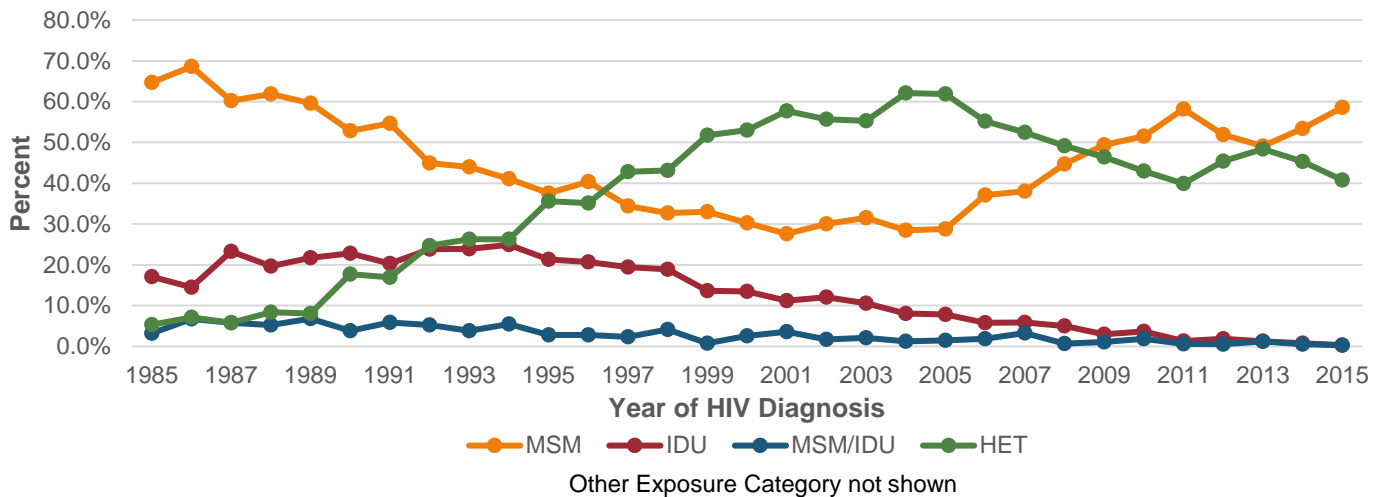
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	REPORTED ADULT/ADOLESCENT HIV DIAGNOSES						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	102	6.9%	36.3%	31.4%	18.6%	3.9%	2.9%
1985	201	4.0%	32.3%	40.3%	12.9%	4.5%	6.0%
1986	266	2.6%	39.8%	35.7%	15.0%	4.5%	2.3%
1987	362	1.7%	37.0%	39.8%	11.9%	6.6%	3.0%
1988	408	0.7%	32.6%	42.2%	16.4%	5.4%	2.7%
1989	492	1.8%	32.3%	45.9%	14.0%	4.3%	1.6%
1990	501	1.4%	29.3%	42.7%	19.4%	4.6%	2.6%
1991	580	1.9%	32.1%	41.6%	17.9%	4.7%	1.9%
1992	512	2.7%	30.5%	41.0%	17.6%	6.3%	2.0%
1993	424	3.1%	23.6%	47.2%	18.4%	5.9%	1.9%
1994	409	1.0%	24.9%	42.1%	23.7%	6.6%	1.7%
1995	423	3.1%	22.2%	42.3%	24.6%	5.4%	2.4%
1996	388	3.9%	22.9%	45.4%	19.1%	5.9%	2.8%
1997	421	1.7%	22.8%	38.2%	24.5%	8.8%	4.0%
1998	398	3.5%	21.9%	42.7%	21.1%	8.8%	2.0%
1999	442	2.0%	19.0%	43.9%	24.2%	7.5%	3.4%
2000	445	2.7%	20.9%	40.7%	19.8%	11.9%	4.0%
2001	457	2.8%	21.4%	36.5%	24.1%	10.1%	5.0%
2002	491	2.0%	19.8%	38.9%	27.9%	8.8%	2.6%
2003	553	2.4%	20.3%	38.2%	24.4%	11.0%	3.8%
2004	620	2.1%	21.0%	32.9%	28.9%	11.3%	3.9%
2005	628	2.4%	23.1%	33.0%	27.7%	10.2%	3.7%
2006	681	3.4%	26.0%	28.0%	26.9%	11.5%	4.3%
2007	838	5.0%	24.7%	26.6%	24.5%	14.3%	4.9%
2008	772	4.1%	28.0%	26.2%	24.5%	11.4%	5.8%
2009	672	6.3%	24.1%	27.1%	26.2%	13.2%	3.1%
2010	686	3.5%	27.6%	27.7%	24.3%	12.2%	4.7%
2011	611	4.3%	29.1%	23.9%	25.2%	13.7%	3.8%
2012	554	5.1%	29.1%	24.0%	23.6%	12.8%	5.4%
2013	563	4.4%	30.2%	24.9%	23.8%	11.2%	5.5%
2014	575	3.8%	33.2%	26.4%	20.3%	11.7%	4.5%
2015	598	3.0%	33.6%	24.7%	21.6%	12.7%	4.3%
TOTAL	16,073	3.1%	26.8%	34.4%	22.5%	9.5%	3.7%

Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2015, Reported through 6/30/2016

Percent by Exposure Category of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	With Exposure Category					% Other Exposure
		No.	% MSM	% IDU	% MSM/IDU	% HET	
<1985	102	90	73.3%	13.3%	4.4%	5.6%	3.3%
1985	201	187	64.7%	17.1%	3.2%	5.3%	9.6%
1986	266	255	68.6%	14.5%	6.7%	7.1%	3.1%
1987	362	344	60.2%	23.3%	5.8%	5.8%	4.9%
1988	408	381	61.9%	19.7%	5.2%	8.4%	4.7%
1989	492	456	59.6%	21.7%	6.8%	8.1%	3.7%
1990	501	469	52.9%	22.8%	3.8%	17.7%	2.8%
1991	580	528	54.7%	20.3%	5.9%	16.9%	2.3%
1992	512	445	44.9%	23.8%	5.2%	24.7%	1.3%
1993	424	373	44.0%	23.9%	3.8%	26.3%	2.1%
1994	409	365	41.1%	24.9%	5.5%	26.3%	2.2%
1995	423	362	37.6%	21.3%	2.8%	35.6%	2.8%
1996	388	319	40.4%	20.7%	2.8%	35.1%	0.9%
1997	421	346	34.4%	19.4%	2.3%	42.8%	1.2%
1998	398	318	32.7%	18.9%	4.1%	43.1%	1.3%
1999	442	361	33.0%	13.6%	0.8%	51.8%	0.8%
2000	445	347	30.3%	13.5%	2.6%	53.0%	0.6%
2001	457	366	27.6%	11.2%	3.6%	57.7%	0.0%
2002	491	406	30.0%	12.1%	1.7%	55.7%	0.5%
2003	553	470	31.5%	10.6%	2.1%	55.3%	0.4%
2004	620	491	28.5%	8.1%	1.2%	62.1%	0.0%
2005	628	473	28.8%	7.8%	1.5%	61.9%	0.0%
2006	681	464	37.1%	5.8%	1.9%	55.2%	0.0%
2007	838	539	38.0%	5.9%	3.3%	52.5%	0.2%
2008	772	441	44.7%	5.0%	0.7%	49.2%	0.5%
2009	672	362	49.4%	3.0%	1.1%	46.4%	0.0%
2010	686	377	51.5%	3.7%	1.9%	43.0%	0.0%
2011	611	316	58.2%	1.3%	0.6%	39.9%	0.0%
2012	554	366	51.9%	1.9%	0.5%	45.4%	0.3%
2013	563	401	49.1%	1.2%	1.2%	48.4%	0.0%
2014	575	393	53.4%	0.8%	0.5%	45.3%	0.0%
2015	598	326	58.6%	0.3%	0.3%	40.8%	0.0%*
TOTAL	16,073	12,137	44.5%	12.7%	2.9%	38.5%	1.3%

*2015 reported HIV exposure data are preliminary.

Section III – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis		No. with Test	% with Test	Median Count
Montgomery	411,788	176	29.4%	42.7	144	81.8%	44	25.0%		143	81.3%	360
Prince George's	361,294	422	70.6%	116.8	354	83.9%	95	22.5%		353	83.6%	372
TOTAL	773,082	598	100.0%	77.4	498	83.3%	139	23.2%		496	82.9%	367

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Number and percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 2 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Montgomery	411,788	72	30.1%	17.5	3.1	65.3%
Prince George's	361,294	167	69.9%	46.2	3.3	58.1%
TOTAL	773,082	239	100.0%	30.9	3.3	60.3%

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Montgomery	411,788	1,777	33.8%	431.5	1,959	35.4%	475.7	3,736	34.6%	907.3	110
Prince George's	361,294	3,481	66.2%	963.5	3,579	64.6%	990.6	7,060	65.4%	1,954.1	51
TOTAL	773,082	5,258	100.0%	680.1	5,538	100.0%	716.4	10,796	100.0%	1,396.5	71

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 3A – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction and Current Residence, Reported through 6/30/2016

JURISDICTION OF RESIDENCE	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITH OR WITHOUT AIDS DIAGNOSIS								
		Residence at HIV Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio	No.	% of Total	Rate	Ratio	
Montgomery	411,788	3,736	34.6%	907.3	110	3,082	29.9%	748.4	133	-17.5%
Prince George's	361,294	7,060	65.4%	1,954.1	51	7,226	70.1%	2,000.0	49	2.4%
TOTAL	773,082	10,796	100.0%	1,396.5	71	10,308	100.0%	1,333.4	74	-4.5%

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Jurisdiction of Residence: Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Current Residence: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Percent Change: The extent to which a county gained or lost HIV/AIDS cases relative to the number of cases diagnosed in the county.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Montgomery	411,788	3,736	1,925	51.5%	547.0%	9.5%	14.1%	20.1%
Prince George's	361,294	7,060	3,945	55.9%	537.0%	11.7%	14.4%	19.1%
TOTAL	773,082	10,796	5,870	54.4%	541.0%	11.0%	14.3%	19.4%

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Montgomery	3,736	1,913	51.2%	85.3%	11,740
Prince George's	7,060	3,936	55.8%	79.4%	15,849
TOTAL	10,796	5,849	54.2%	81.3%	14,690

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

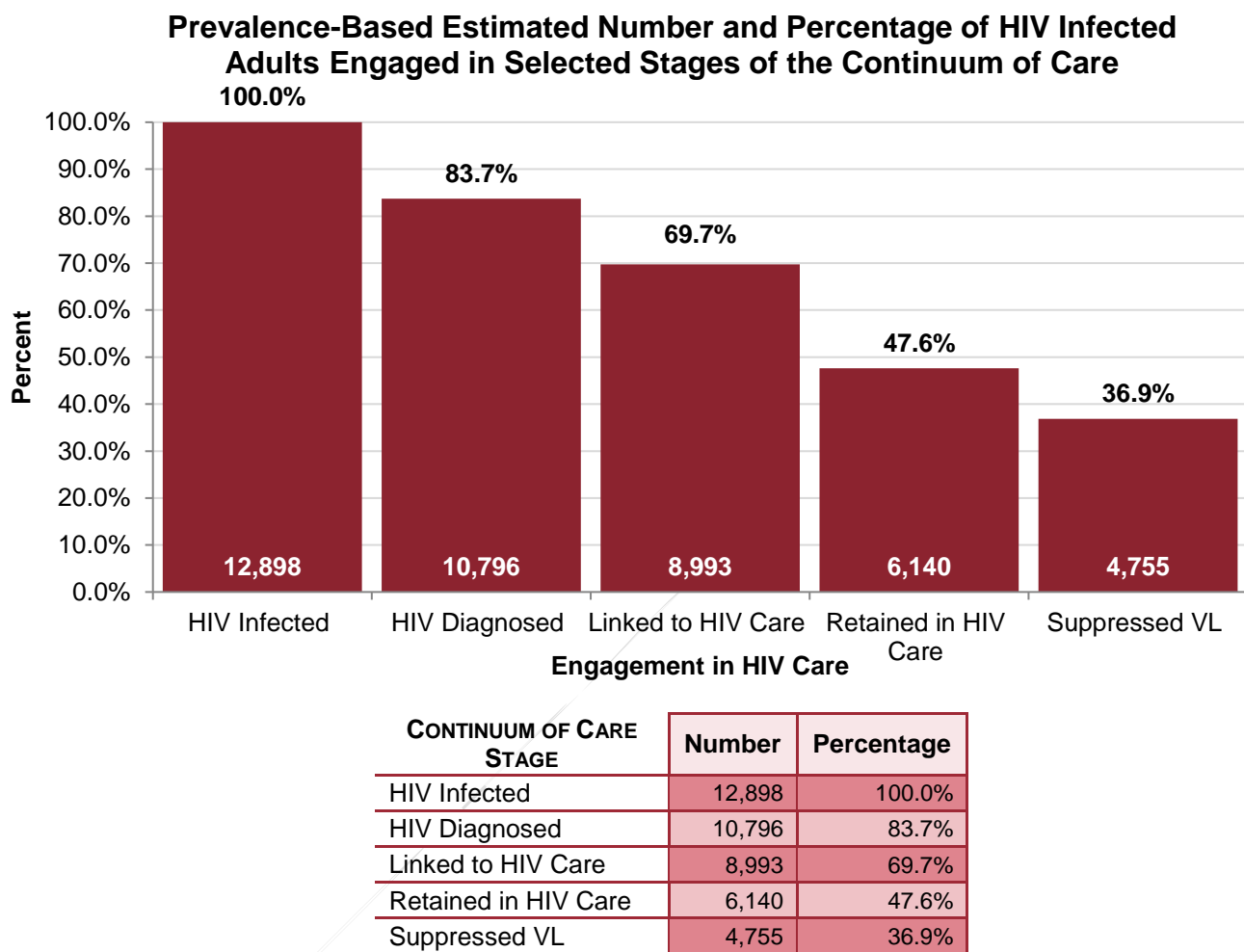
Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The prevalence-based Suburban Region Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)² to generate an estimated number of HIV infected persons in the Suburban Region. It then uses local data to describe the number and percentage of persons living with HIV in the Suburban Region who belong to each of the stages of engagement in HIV care.



HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

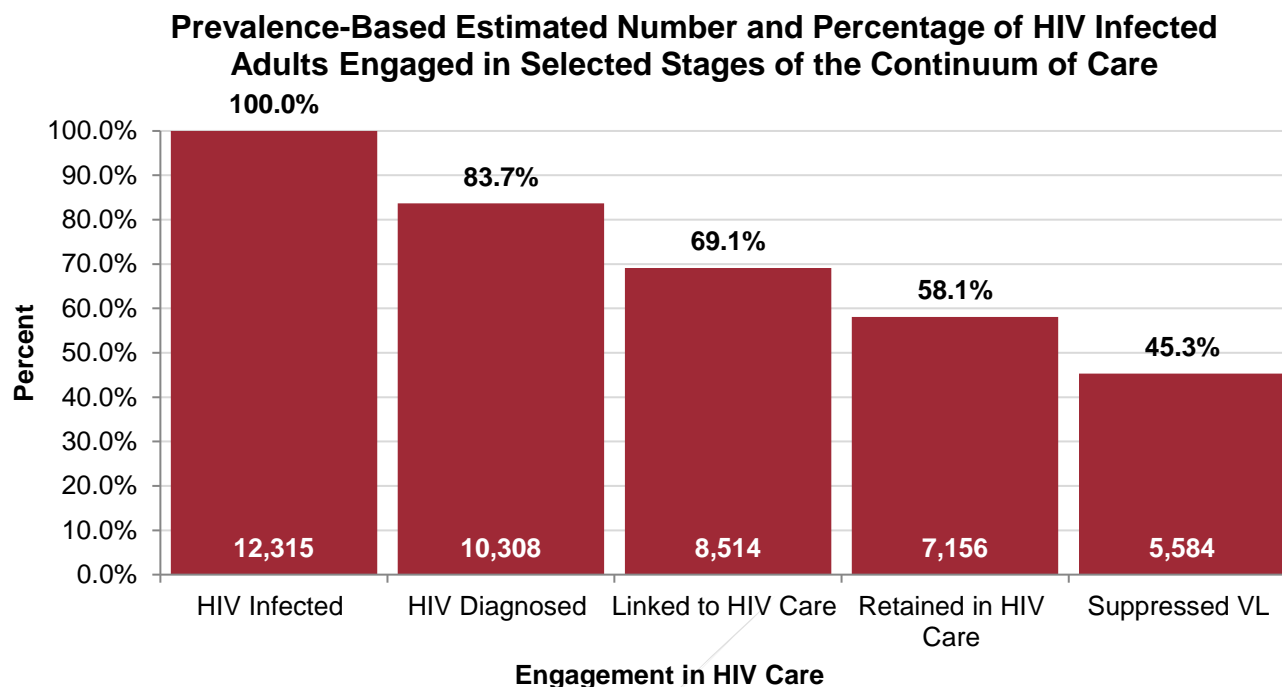
Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year, reported through 6/30/2016 of less than 200 copies per milliliter.

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test and Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis.* 2011; 52 (6): 7930-800.

² Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

Figure 7A – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The prevalence based Suburban Region Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)¹ to generate an estimated number of HIV infected persons in the Suburban Region. It then uses local data for current Suburban Region residents to describe the number and percentage of persons living with HIV in the Suburban Region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	12,315	100.0%
HIV Diagnosed	10,308	83.7%
Linked to HIV Care	8,514	69.1%
Retained in HIV Care	7,156	58.1%
Suppressed VL	5,584	45.3%

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2016.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

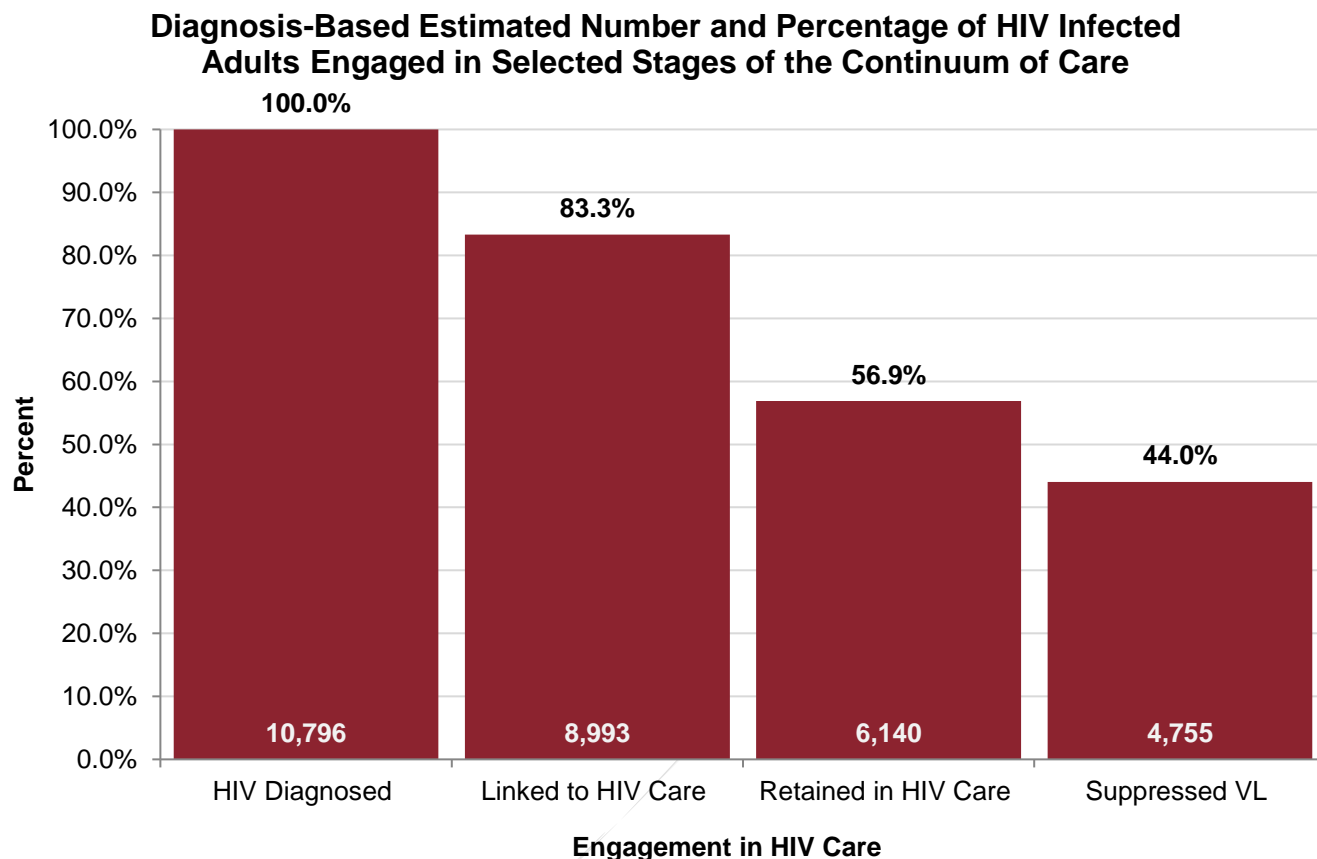
Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

For additional information regarding current residence please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

¹ Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

The diagnosis-based Suburban Region Engagement in HIV Care Cascade (below) uses local data to describe the number and percentage of persons diagnosed with HIV in the Suburban Region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	10,796	100.0%
Linked to HIV Care	8,993	83.3%
Retained in HIV Care	6,140	56.9%
Suppressed VL	4,755	44.0%

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

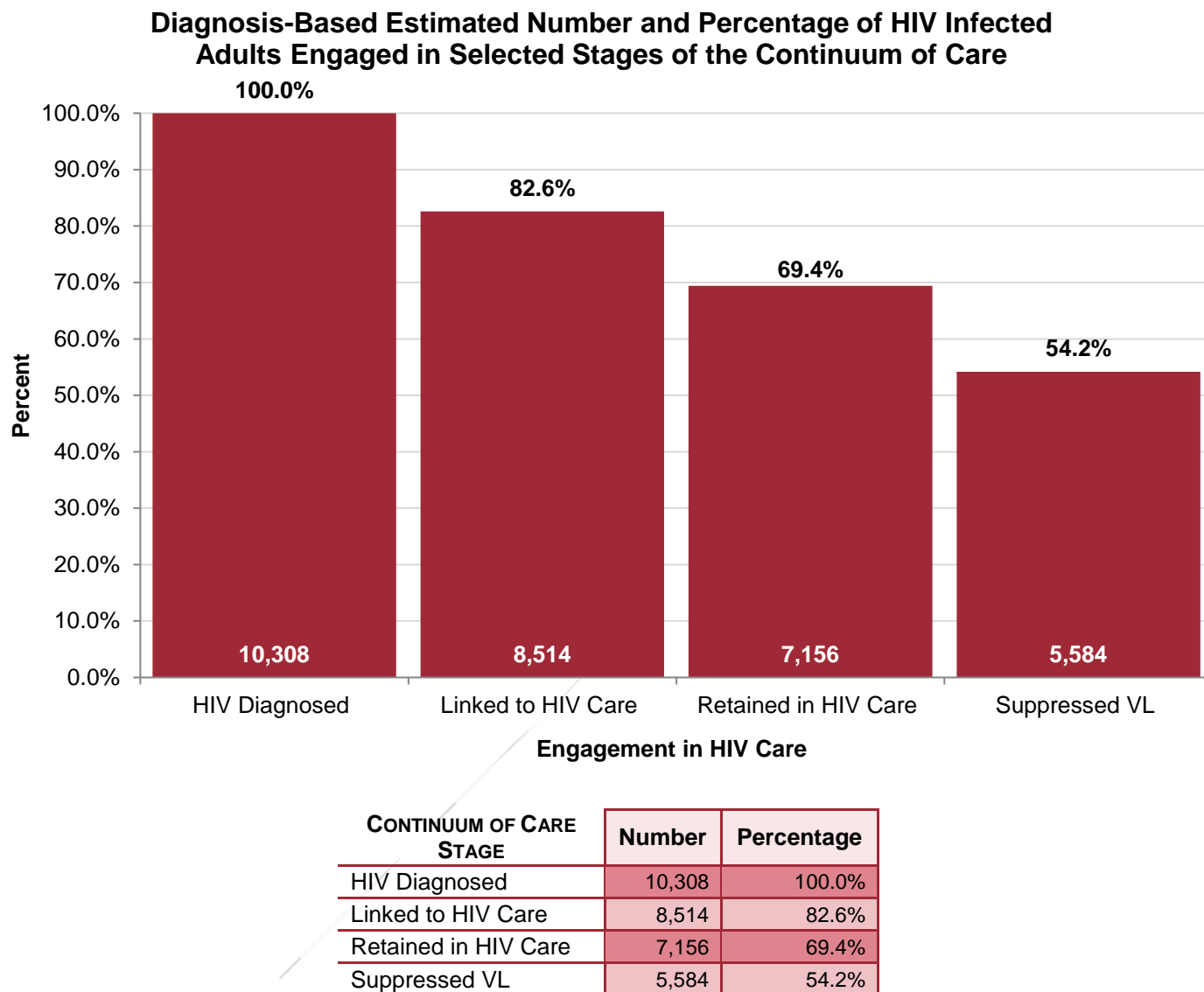
Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016

Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Figure 8A – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The diagnosis-based Suburban Region Engagement in HIV Care Cascade (below) uses local data for current Suburban Region residents to describe the number and percentage of persons diagnosed with HIV in the Suburban Region who belong to each of the stages of engagement in HIV care.



HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2016.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

Suppressed Viral Load: HIV Diagnosed with the most recent viral measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Section IV – Cases by Age

Table 6 – HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 6/30/2016

AGE AT HIV DIAGNOSIS	POPULATION	REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
<5 (Pediatric)	127,641	0	0.0%	0.0	--	--	--	--	--	--	--
5-12 (Pediatric)	198,700	0	0.0%	0.0	--	--	--	--	--	--	--
13-19	171,646	18	3.0%	10.5	16	88.9%	***	***	16	88.9%	367
20-29	261,846	201	33.6%	76.8	169	84.1%	29	14.4%	168	83.6%	423
30-39	274,672	148	24.7%	53.9	121	81.8%	39	26.4%	123	83.1%	360
40-49	271,055	129	21.6%	47.6	109	84.5%	37	28.7%	107	82.9%	353
50-59	277,945	76	12.7%	27.3	64	84.2%	27	35.5%	63	82.9%	260
60+	366,146	26	4.3%	7.1	19	73.1%	***	***	19	73.1%	291
TOTAL	1,949,651	598	100.0%	30.7	498	83.3%	139	23.2%	496	82.9%	367

*** Data withheld due to low population counts and/or case counts

Table 7 – AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 6/30/2016

AGE AT AIDS DIAGNOSIS	POPULATION	REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	127,641	0	0.0%	0.0	--	--
5-12 (Pediatric)	198,700	0	0.0%	0.0	--	--
13-19	171,646	2	0.8%	1.2	***	***
20-29	261,846	46	19.1%	17.6	1.9	65.2%
30-39	274,672	65	27.0%	23.7	2.4	63.1%
40-49	271,055	71	29.5%	26.2	3.9	54.9%
50-59	277,945	45	18.7%	16.2	4.3	60.0%
60+	366,146	12	5.0%	3.3	7.9	41.7%
TOTAL	1,949,651	241	100.0%	12.4	3.4	59.8%

*** Data withheld due to low population counts and/or case counts

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Table 8 – HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	POPULATION	LIVING HIV CASES WITHOUT AIDS			LIVING HIV CASES WITH AIDS			TOTAL LIVING HIV CASES			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
<5	127,641	2	0.0%	1.6	0	0.0%	0.0	2	0.0%	1.6	63,820
5-12	198,700	21	0.4%	10.6	3	0.1%	1.5	24	0.2%	12.1	8,279
13-19	171,646	66	1.2%	38.5	14	0.2%	8.2	80	0.7%	46.6	2,145
20-29	261,846	922	17.2%	352.1	320	5.7%	122.2	1,242	11.3%	474.3	210
30-39	274,672	1,308	24.5%	476.2	936	16.7%	340.8	2,244	20.5%	817.0	122
40-49	271,055	1,322	24.7%	487.7	1,678	30.0%	619.1	3,000	27.4%	1,106.8	90
50-59	277,945	1,162	21.7%	418.1	1,727	30.8%	621.3	2,889	26.4%	1,039.4	96
60+	366,146	542	10.1%	148.0	923	16.5%	252.1	1,465	13.4%	400.1	249
TOTAL	1,949,651	5,345	100.0%	274.2	5,601	100.0%	287.3	10,946	100.0%	561.4	178

Age on [date]: Age group of living cases on the specified date.

Population: Population estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	36	24	66.7%	535	4.2%	20.8%	25.0%	50.0%
20-29	1,170	719	61.5%	548	7.8%	12.5%	23.4%	56.3%
30-39	2,236	1,195	53.4%	529	13.4%	13.5%	19.3%	53.8%
40-49	3,000	1,632	54.4%	538	11.9%	14.2%	19.2%	54.8%
50-59	2,889	1,545	53.5%	551	10.6%	15.3%	18.3%	55.8%
60+	1,465	755	51.5%	554	9.0%	15.4%	18.4%	57.2%
TOTAL	10,796	5,870	54.4%	541	11.0%	14.3%	19.4%	55.3%

Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
13-19	36	24	66.7%	58.3%	16,495
20-29	1,170	725	62.0%	67.9%	19,498
30-39	2,236	1,208	54.0%	78.7%	16,046
40-49	3,000	1,620	54.0%	82.0%	16,740
50-59	2,889	1,534	53.1%	85.1%	10,000
60+	1,465	738	50.4%	89.8%	9,159
TOTAL	10,796	5,849	54.2%	81.3%	14,690

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age on [date]: Age group of living cases on the specified date.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Section V – Adult/Adolescent Cases by Demographics

Table 11 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis		No. with Test	% with Test	Median Count
Male	773,082	423	70.7%	54.7	350	82.7%	95	22.5%		349	82.5%	369
Female	850,228	175	29.3%	20.6	148	84.6%	44	25.1%		147	84.0%	361
TOTAL	1,623,310	598	100.0%	36.8	498	83.3%	139	23.2%		496	82.9%	367

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis		No. with Test	% with Test	Median Count
Hispanic	267,038	66	11.0%	24.7	56	84.8%	22	33.3%		57	86.4%	311
Non-Hispanic	1,356,273	532	89.0%	39.2	442	83.1%	117	22.0%		439	82.5%	372
American Indian/Alaska Native, only	3,413	1	0.2%	29.3	***	***	***	***		***	***	***
Asian, only	170,391	11	1.8%	6.5	11	100.0%	***	***		10	90.9%	385
Black, only	630,447	460	76.9%	73.0	382	83.0%	108	23.5%		379	82.4%	360
Native Hawaiian/Other Pacific Islander, only	756	0	0.0%	0.0	--	--	--	--		--	--	--
White, only	521,350	51	8.5%	9.8	41	80.4%	***	***		41	80.4%	498
Multiracial/Other	29,915	9	1.5%	30.1	***	***	***	***		***	***	***
TOTAL	1,623,310	598	100.0%	36.8	498	83.3%	139	23.2%		496	82.9%	367

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis		No. with Test	% with Test	Median Count
United States	1,082,356	463	86.1%	42.8	377	81.4%	101	21.8%		375	81.0%	377
Foreign-born	486,986	73	5.6%	15.0	66	90.4%	21	28.8%		69	94.5%	316
Africa	--	51	69.9%	--	45	88.2%	14	27.5%		47	92.2%	303
Asia	--	3	4.1%	--	***	***	***	***		***	***	***
Caribbean	--	4	5.5%	--	***	***	***	***		***	***	***
Central America	--	11	15.1%	--	10	90.9%	***	***		11	100.0%	316
Other	--	4	5.5%	--	4	100.0%	2	50.0%		4	100.0%	300
Unknown	--	62	172.2%	--	66	90.4%	21	28.8%		69	94.5%	316
TOTAL	1,569,342	598	100.0%	38.1	498	83.3%	139	23.2%		496	82.9%	367

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 12 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	773,082	160	66.9%	20.7	3.1	61.3%
Female	850,228	79	33.1%	9.3	3.6	58.2%
TOTAL	1,623,310	239	100.0%	14.7	3.3	60.3%

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	267,038	29	12.1%	10.9	1.1	86.2%
Non-Hispanic	1,356,273	210	87.9%	15.5	3.6	56.7%
American Indian/Alaska Native, only	3,413	0	0.0%	0.0	--	--
Asian, only	170,391	3	1.3%	1.8	***	***
Black, only	630,447	196	82.0%	31.1	3.4	56.6%
Native Hawaiian/Other Pacific Islander, only	756	0	0.0%	0.0	--	--
White, only	521,350	6	2.5%	1.2	5.2	66.7%
Multiracial/Other	29,915	5	2.1%	16.7	11.6	20.0%
TOTAL	1,623,310	239	100.0%	14.7	3.3	60.3%

COUNTY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
United States	1,082,356	184	77.0%	17.0	3.7	57.1%
Foreign-born	486,986	35	14.6%	7.2	2.6	60.0%
Africa	--	24	1.2%	--	2.3	58.3%
Asia	--	1	0.1%	--	***	***
Caribbean	--	2	0.1%	--	***	***
Central America	--	4	0.2%	--	***	***
Other	--	4	0.2%	--	4.0	50.0%
Unknown	--	20	8.4%	--	0.8	90.0%
TOTAL	1,569,342	239	100.0%	15.2	3.3	60.3%

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Male	773,082	3,335	63.4%	431.4	3,508	63.3%	453.8	6,843	63.4%	885.2	231
Female	850,228	1,923	36.6%	226.2	2,030	36.7%	238.8	3,953	36.6%	464.9	442
TOTAL	1,623,310	5,258	100.0%	323.9	5,538	100.0%	341.2	10,796	100.0%	665.1	308

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Hispanic	267,038	418	7.9%	156.5	561	10.1%	210.1	979	9.1%	366.6	272
Non-Hispanic	1,356,273	4,840	92.1%	356.9	4,977	89.9%	367.0	9,817	90.9%	723.8	138
American Indian/Alaska Native, only	3,413	***	***	***	***	***	***	***	***	***	***
Asian, only	170,391	68	1.3%	39.9	35	0.6%	20.5	103	1.0%	60.4	1,654
Black, only	630,447	4,053	77.1%	642.9	4,268	77.1%	677.0	8,321	77.1%	1,319.9	75
Native Hawaiian/Other Pacific Islander, only	756	***	***	***	***	***	***	***	***	***	***
White, only	521,350	566	10.8%	108.6	470	8.5%	90.2	1,036	9.6%	198.7	503
Multiracial/Other	29,915	146	2.8%	488.0	201	3.6%	671.9	347	3.2%	1,160.0	86
TOTAL	1,623,310	5,258	100.0%	323.9	5,538	100.0%	341.2	10,796	100.0%	665.1	150

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
United States	1,082,356	4,281	81.4%	395.5	4,224	76.3%	390.3	8,505	78.8%	785.8	127
Foreign-born	486,986	769	14.6%	157.9	1,220	22.0%	250.5	1,989	18.4%	408.4	244
Africa	--	507	9.6%	--	817	14.8%	--	1,324	12.3%	--	--
Asia	--	32	0.6%	--	31	0.6%	--	63	0.6%	--	--
Caribbean	--	53	1.0%	--	82	1.5%	--	135	1.3%	--	--
Central America	--	106	2.0%	--	196	3.5%	--	302	2.8%	--	--
Other	--	71	1.4%	--	94	1.7%	--	165	1.5%	--	--
Unknown	--	208	4.0%	--	94	1.7%	--	302	2.8%	--	--
TOTAL	1,569,342	5,258	100.0%	335.0	5,538	100.0%	352.9	10,796	100.0%	687.9	145

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

*** Data withheld due to low population and/or case counts

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	6,843	3,622	52.9%	519	12.0%	15.7%	20.1%	52.3%
Female	3,953	2,248	56.9%	581	9.3%	12.1%	18.4%	60.2%
TOTAL	10,796	5,870	54.4%	541	11.0%	14.3%	19.4%	55.3%

RACE/ETHNICITY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	979	530	54.1%	494	12.8%	14.2%	24.2%	48.9%
Non-Hispanic	9,817	5,340	54.4%	547	10.8%	14.3%	19.0%	56.0%
American Indian/Alaska Native, only	***	***	***	***	***	***	***	***
Asian, only	103	54	52.4%	544	5.6%	16.7%	22.2%	55.6%
Black, only	8,321	4,594	55.2%	536	11.2%	14.8%	19.5%	54.6%
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***	***	***	***
White, only	1,036	464	44.8%	629	7.1%	10.6%	14.0%	68.3%
Multiracial/Other	347	223	64.3%	567	10.8%	12.1%	17.9%	59.2%
TOTAL	10,796	5,870	54.4%	541	11.0%	14.3%	19.4%	55.3%

COUNTRY OF BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	8,505	4,568	53.7%	548	11.1%	13.9%	18.8%	56.1%
Foreign-born	1,989	1,117	56.2%	527	9.4%	15.2%	22.5%	52.9%
Africa	1,324	776	58.6%	526	8.5%	16.0%	22.6%	53.0%
Asia	63	36	57.1%	529	11.1%	16.7%	16.7%	55.6%
Caribbean	135	66	48.9%	653	12.1%	6.1%	19.7%	62.1%
Central America	302	168	55.6%	471	13.1%	17.3%	25.0%	44.6%
Other	165	71	43.0%	582	7.0%	9.9%	21.1%	62.0%
Unknown	302	185	61.3%	516	15.7%	17.3%	15.1%	51.9%
TOTAL	10,796	5,870	54.4%	541	11.0%	14.3%	19.4%	55.3%

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
SEX AT BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	6,843	3,596	52.6%	81.1%	15,874
Female	3,953	2,253	57.0%	81.5%	12,650
TOTAL	10,796	5,849	54.2%	81.3%	14,690

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
RACE/ETHNICITY	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	979	527	53.8%	82.9%	16,740
Non-Hispanic	9,817	5,322	54.2%	81.1%	14,555
American Indian/Alaska Native, only	***	***	***	***	***
Asian, only	103	56	54.4%	91.1%	25,026
Black, only	8,321	4,576	55.0%	80.2%	14,978
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***
White only	1,036	465	44.9%	87.1%	10,261
Multiracial/Other	347	219	63.1%	85.8%	11,388
TOTAL	10,796	5,849	54.2%	81.3%	14,690

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
COUNTRY OF BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	8,505	4,547	53.5%	80.3%	13,780
Foreign-born	1,989	1,111	55.9%	86.9%	19,815
Africa	1,324	766	57.9%	87.6%	11,639
Asia	63	36	57.1%	88.9%	65,694
Caribbean	135	65	48.1%	90.8%	28,526
Central America	302	170	56.3%	80.6%	35,030
Other	165	74	44.8%	89.2%	31,397
Unknown	302	191	63.2%	71.7%	28,949
TOTAL	10,796	5,849	54.2%	81.3%	14,690

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

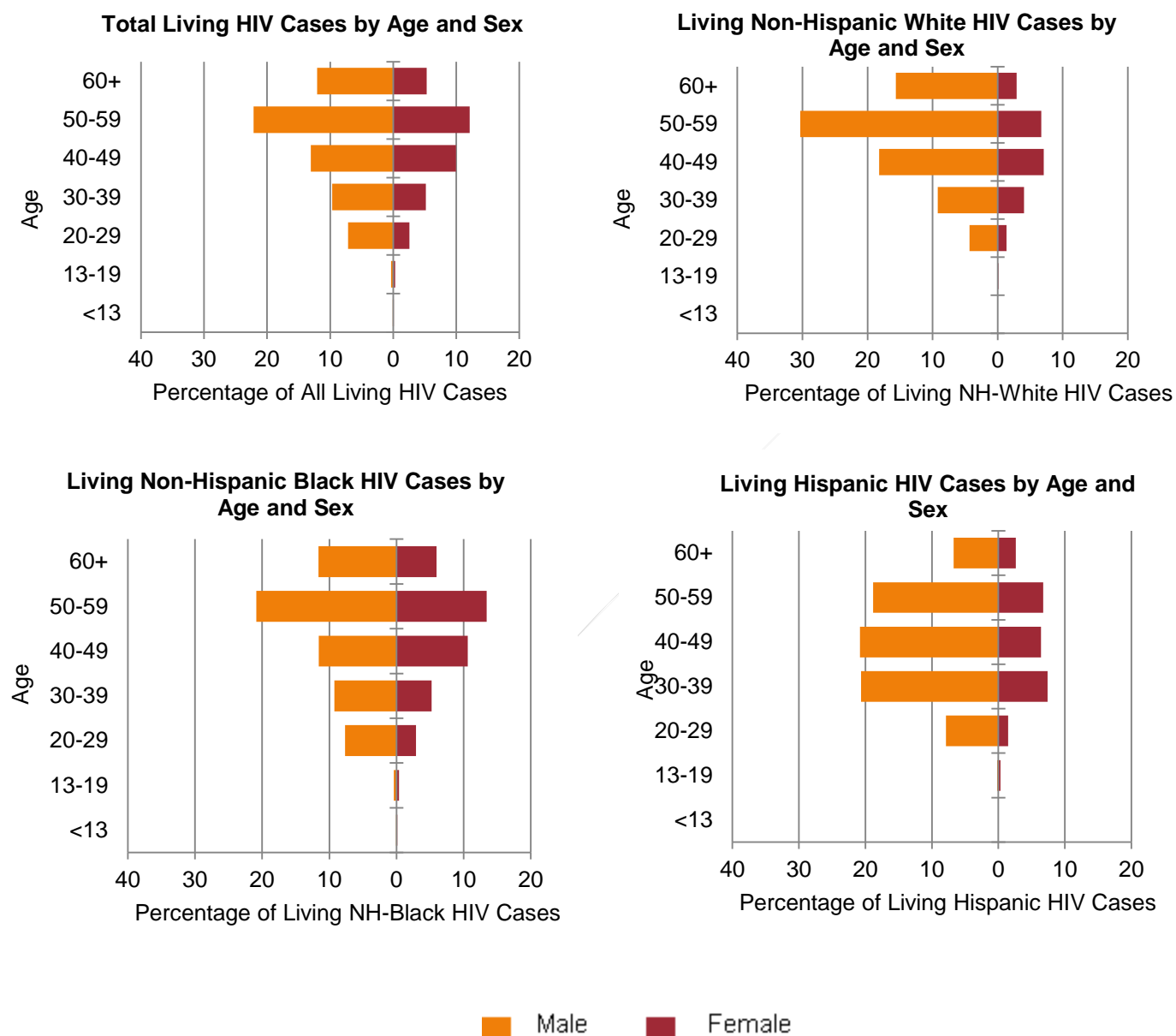
Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year, reported through 6/30/2016 of 200 copies per milliliter or greater.

Section VI – HIV Cases by Expanded Demographics

Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016



Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

MALES						
AGE ON 12/31/2015		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	44,426	60,802	38,476	22,752	166,456
	Cases	2	6	0	2	10
	Rate	4.5	9.9	0.0	8.8	6.0
	Ratio (1 in X)	22,213	10,133	--	11,376	16,645
13-19	Population	18,232	33,952	23,836	11,405	87,425
	Cases	5	41	2	3	51
	Rate	27.4	120.8	8.4	26.3	58.3
	Ratio (1 in X)	3,646	828	11,918	3,801	1,714
20-29	Population	30,041	51,051	34,688	16,740	132,520
	Cases	91	767	44	45	947
	Rate	302.9	1,502.4	126.8	268.8	714.6
	Ratio (1 in X)	330	66	788	372	139
30-39	Population	36,263	47,067	34,528	16,989	134,847
	Cases	215	996	132	74	1,417
	Rate	592.9	2,116.1	382.3	435.6	1,050.8
	Ratio (1 in X)	168	47	261	229	95
40-49	Population	27,542	49,497	35,825	16,492	129,356
	Cases	220	1,199	171	85	1,675
	Rate	798.8	2,422.4	477.3	515.4	1,294.9
	Ratio (1 in X)	125	41	209	194	77
50-59	Population	16,534	50,435	48,546	14,683	130,198
	Cases	153	1,330	308	87	1,878
	Rate	925.4	2,637.1	634.4	592.5	1,442.4
	Ratio (1 in X)	108	37	157	168	69
60+	Population	11,394	53,273	75,247	18,822	158,736
	Cases	58	646	197	41	942
	Rate	509.0	1,212.6	261.8	217.8	593.4
	Ratio (1 in X)	196	82	381	459	168
TOTAL MALES BY RACE/ETHNICITY	Population	184,432	346,077	291,146	117,883	939,538
	Cases	744	4,985	854	337	6,920
	Rate	403.4	1,440.4	293.3	285.9	736.5
	Ratio (1 in X)	247	69	340	349	135

Age on [date]: Age group of living cases on the specified date.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

FEMALES						
AGE ON 12/31/2015		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	42,035	58,869	37,094	21,886	159,885
	Cases	1	13	1	1	16
	Rate	2.4	22.1	2.7	4.6	10.0
	Ratio (1 in X)	42,035	4,528	37,094	21,886	9,992
13-19	Population	17,184	33,544	22,430	11,064	84,221
	Cases	0	28	0	1	29
	Rate	0.0	83.5	0.0	9.0	34.4
	Ratio (1 in X)	--	1,198	--	11,064	2,904
20-29	Population	25,306	54,621	32,807	16,592	129,326
	Cases	31	232	16	16	295
	Rate	122.5	424.7	48.8	96.4	228.1
	Ratio (1 in X)	816	235	2,050	1,037	438
30-39	Population	29,099	55,842	34,420	20,464	139,825
	Cases	61	708	33	25	827
	Rate	209.6	1,267.9	95.9	122.2	591.5
	Ratio (1 in X)	477	78	1,043	818	169
40-49	Population	23,561	60,694	37,436	20,008	141,699
	Cases	71	1,161	49	44	1,325
	Rate	301.3	1,912.9	130.9	219.9	935.1
	Ratio (1 in X)	331	52	764	454	106
50-59	Population	16,541	63,009	50,408	17,789	147,747
	Cases	52	883	50	26	1,011
	Rate	314.4	1,401.4	99.2	146.2	684.3
	Ratio (1 in X)	318	71	1,008	684	146
60+	Population	15,340	77,463	91,179	23,428	207,410
	Cases	26	436	43	18	523
	Rate	169.5	562.8	47.2	76.8	252.2
	Ratio (1 in X)	590	177	2,120	1,301	396
TOTAL FEMALES BY RACE/ETHNICITY	Population	169,066	404,042	305,774	131,231	1,010,113
	Cases	242	3,461	192	131	4,026
	Rate	143.1	856.6	62.8	99.8	398.6
	Ratio (1 in X)	698	116	1,592	1,001	250

Age on [date]: Age group of living cases on the specified date.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Section VII – HIV Exposure Category

Table 18 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
With Exposure**	326	100.0%	285	87.4%	68	20.9%	290	89.0%	372
Men who have Sex with Men (MSM)	191	58.6%	165	86.4%	30	15.7%	168	88.0%	394
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	133	40.8%	118	88.7%	38	28.6%	120	90.2%	338
Other Exposure	0	0.0%	---	---	---	---	---	---	--
No Reported Exposure*	272		213	78.3%	71	26.1%	206	75.7%	351
TOTAL	598		498	83.3%	139	23.2%	496	82.9%	367

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
With Exposure**	240	100.0%	207	86.3%	50	20.8%	213	88.8%	367
Men who have Sex with Men (MSM)	191	79.6%	165	86.4%	30	15.7%	168	88.0%	394
Injection Drug Users (IDU)	***	***	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	47	19.6%	40	85.1%	20	42.6%	43	91.5%	238
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure	183		143	78.1%	45	24.6%	136	74.3%	369
TOTAL	423		350	82.7%	95	22.5%	349	82.5%	369

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						First CD4 Test Result		
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	No. with Test	% with Test	Median Count
With Exposure**	86	100.0%	78	90.7%	18	20.9%	77	89.5%	388
Injection Drug Users (IDU)	0	0.0%	--	--	--	--	--	--	--
Heterosexual Exposure (HET)	86	100.0%	78	90.7%	18	20.9%	77	89.5%	388
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure*	89		70	78.7%	26	29.2%	70	78.7%	317
TOTAL	175		148	84.6%	44	25.1%	147	84.0%	361

* Includes 2 new HIV diagnoses with Presumed Female Heterosexual exposure

** 2014-2015 reported HIV exposure data are preliminary.

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 19 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure**	139	100.0%	3.6	55.4%
Men who have Sex with Men (MSM)	54	38.8%	2.4	63.0%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***
Heterosexual Exposure (HET)	79	56.8%	3.7	54.4%
Other Exposures	0	0.0%	--	--
No Reported Exposure	100		2.7	67.0%
TOTAL	239		3.3	60.3%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure**	96	100.0%	3.4	58.3%
Men who have Sex with Men (MSM)	54	56.3%	2.4	63.0%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***
Heterosexual Exposure (HET)	37	38.5%	3.1	59.5%
Other Exposures	0	0.0%	--	--
No Reported Exposure	64		2.7	65.6%
TOTAL	160		3.1	61.3%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure**	43	100.0%	4.3	48.8%
Injection Drug Users (IDU)	***	***	***	***
Heterosexual Exposure (HET)	***	***	***	***
Other Exposures	0	0.0%	--	--
No Reported Exposure	36		2.7	69.4%
TOTAL	79		3.6	58.2%

** 2014-2015 reported HIV exposure data are preliminary.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	3,341	100.0%	4,377	100.0%	7,718	100.0%
Men who have Sex with Men (MSM)	1,667	49.9%	1,609	36.8%	3,276	42.4%
Injection Drug Users (IDU)	117	3.5%	384	8.8%	501	6.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	38	1.1%	121	2.8%	159	2.1%
Heterosexual Exposure (HET)	1,508	45.1%	2,242	51.2%	3,750	48.6%
Other Exposures	11	0.3%	21	0.5%	32	0.4%
No Reported Exposure*	1,917		1,161		3,078	
TOTAL	5,258		5,538		10,796	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	2,254	100.0%	2,836	100.0%	5,090	100.0%
Men who have Sex with Men (MSM)	1,667	74.0%	1,609	56.7%	3,276	64.4%
Injection Drug Users (IDU)	76	3.4%	237	8.4%	313	6.1%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	38	1.7%	121	4.3%	159	3.1%
Heterosexual Exposure (HET)	469	20.8%	859	30.3%	1,328	26.1%
Other Exposures	4	0.2%	10	0.4%	14	0.3%
No Reported Exposure	1,081		672		1,753	
TOTAL	3,335		3,508		6,843	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	1,087	100.0%	1,541	100.0%	2,628	100.0%
Injection Drug Users (IDU)	41	3.8%	147	9.5%	188	7.2%
Heterosexual Exposure (HET)	1,039	95.6%	1,383	89.7%	2,422	92.2%
Other Exposures	7	0.6%	11	0.7%	18	0.7%
No Reported Exposure*	836		489		1,325	
TOTAL	1,923		2,030		3,953	

* Includes 22 HIV cases without AIDS and 29 HIV cases with AIDS with Presumed Female Heterosexual exposure

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	782	100.0%	5,862	100.0%	742	100.0%
Men who have Sex with Men (MSM)	369	47.2%	2192	37.4%	534	72.0%
Injection Drug Users (IDU)	28	3.6%	395	6.7%	52	7.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	12	1.5%	106	1.8%	28	3.8%
Heterosexual Exposure (HET)	372	47.6%	3,148	53.7%	118	15.9%
Other Exposures	1	0.1%	21	0.4%	10	1.3%
No Reported Exposure*	197		2,459		294	
TOTAL	979		8,321		1,036	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	603	100.0%	3,587	100.0%	649	100.0%
Men who have Sex with Men (MSM)	369	61.2%	2,192	61.1%	534	82.3%
Injection Drug Users (IDU)	20	3.3%	240	6.7%	36	5.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	12	2.0%	106	3.0%	28	4.3%
Heterosexual Exposure (HET)	201	33.3%	1,043	29.1%	44	6.8%
Other Exposures	1	0.2%	6	0.2%	7	1.1%
No Reported Exposure	136		1,336		200	
TOTAL	739		4,923		849	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	179	100.0%	2,275	100.0%	93	100.0%
Injection Drug Users (IDU)	8	4.5%	155	6.8%	16	17.2%
Heterosexual Exposure (HET)	171	95.5%	2,105	92.5%	74	79.6%
Other Exposures	0	0.0%	15	0.7%	3	3.2%
No Reported Exposure*	61		1,123		94	
TOTAL	240		3,398		187	

* Includes 4 Hispanic cases, 44 non-Hispanic black cases, and 1 non-Hispanic white case with Presumed Female Heterosexual exposure

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
With Exposure	7,718	4,419	57.3%	541	10.6%	14.0%	20.1%	55.4%
Men who have Sex with Men (MSM)	3,276	1,808	55.2%	548	9.6%	13.8%	19.9%	56.7%
Injection Drug Users (IDU)	501	220	43.9%	502	14.1%	15.5%	19.5%	50.9%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	159	81	50.9%	455	14.8%	19.8%	19.8%	45.7%
Heterosexual Exposure (HET)	3,750	2,299	61.3%	542	10.8%	13.7%	20.4%	55.1%
Other Exposures	32	11	34.4%	439	18.2%	18.2%	18.2%	45.5%
No Reported Exposure*	3,078	1,451	47.1%	541	12.1%	15.3%	17.4%	55.2%
TOTAL	10,796	5,870	54.4%	541	11.0%	14.3%	19.4%	55.3%

* Includes 51 cases with Presumed Female Heterosexual exposure

Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
With Exposure	7,718	4,397	57.0%	82.3%	14,420
Men who have Sex with Men (MSM)	3,276	1,789	54.6%	81.1%	14,690
Injection Drug Users (IDU)	501	212	42.3%	83.5%	31,623
Men who have Sex with Men and Inject Drugs (MSM/IDU)	159	80	50.3%	81.3%	8,730
Heterosexual Exposure (HET)	3,750	2,306	61.5%	83.3%	13,940
Other Exposures	32	10	31.3%	70.0%	520
No Reported Exposure*	3,078	1,452	47.2%	78.2%	14,917
TOTAL	10,796	5,849	54.2%	81.3%	14,690

* Includes 51 cases with Presumed Female Heterosexual exposure

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

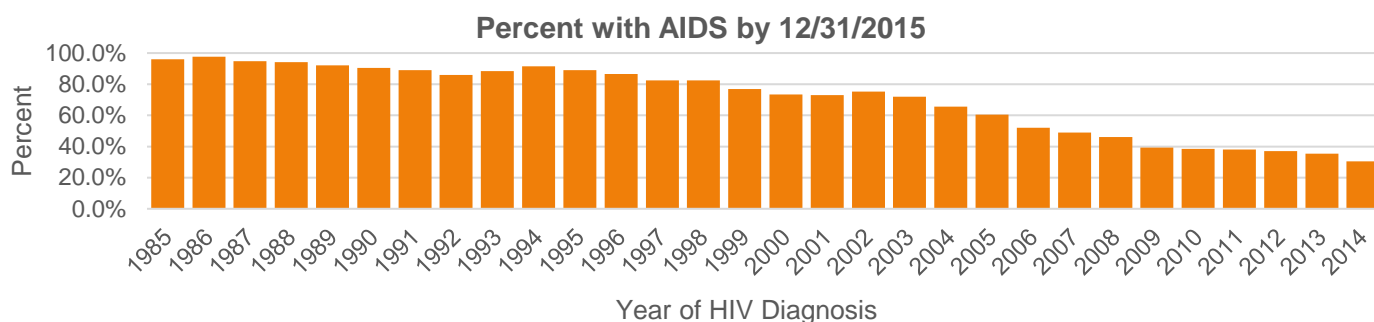
Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Section VIII – Disease Progression and Mortality

Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2014, Reported through 6/30/2016

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 06/30/2014 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2015 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2015, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016

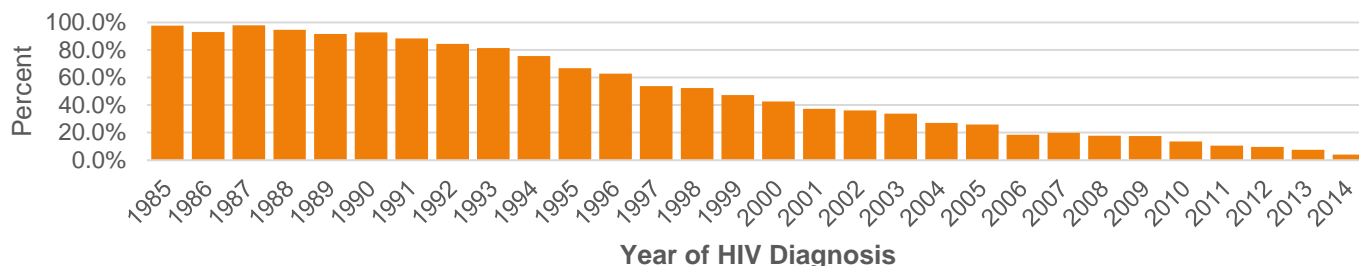


YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	102	97	95.1%	7.2	46.1%	46.1%	50.0%	62.7%
1985	201	193	96.0%	5.6	43.3%	44.8%	49.3%	74.6%
1986	266	260	97.7%	4.8	43.2%	44.4%	54.5%	86.8%
1987	362	343	94.8%	3.6	49.7%	50.6%	65.5%	86.5%
1988	408	384	94.1%	3.1	49.5%	53.4%	73.0%	88.0%
1989	492	453	92.1%	2.9	49.8%	52.6%	73.0%	86.6%
1990	501	453	90.4%	2.6	49.7%	56.9%	75.0%	86.0%
1991	580	516	89.0%	2.4	51.4%	59.3%	76.9%	84.0%
1992	512	440	85.9%	2.9	48.6%	55.3%	70.1%	78.1%
1993	424	375	88.4%	2.1	58.5%	64.9%	75.7%	83.5%
1994	409	374	91.4%	1.8	66.7%	72.1%	79.0%	87.5%
1995	423	377	89.1%	1.8	65.7%	71.4%	76.4%	84.9%
1996	388	336	86.6%	1.9	62.4%	64.9%	74.5%	82.5%
1997	421	347	82.4%	1.8	61.5%	65.1%	71.3%	78.9%
1998	398	328	82.4%	1.8	59.3%	63.1%	70.1%	78.9%
1999	442	340	76.9%	1.5	60.4%	63.8%	67.9%	74.0%
2000	445	327	73.5%	1.5	56.4%	59.1%	64.9%	71.0%
2001	457	333	72.9%	1.5	54.7%	56.9%	65.4%	70.0%
2002	491	369	75.2%	1.0	62.5%	66.2%	71.1%	73.3%
2003	553	398	72.0%	1.0	59.7%	61.8%	66.4%	71.2%
2004	620	407	65.6%	1.1	53.7%	56.1%	59.0%	65.2%
2005	628	380	60.5%	0.9	50.5%	52.7%	56.2%	60.2%
2006	681	355	52.1%	1.1	40.8%	43.3%	47.7%	--
2007	838	410	48.9%	1.4	36.3%	37.6%	43.3%	--
2008	772	355	46.0%	1.1	35.0%	37.4%	43.3%	--
2009	672	264	39.3%	0.9	31.3%	32.9%	37.9%	--
2010	686	264	38.5%	0.8	30.0%	32.8%	37.0%	--
2011	611	232	38.0%	0.6	31.6%	34.7%	--	--
2012	554	205	37.0%	0.5	32.5%	34.8%	--	--
2013	563	199	35.3%	0.3	32.5%	34.6%	--	--
2014	575	175	30.4%	0.2	28.0%	--	--	--
TOTAL	15,475	10,289	66.5%	1.9	46.8%	50.0%	57.3%	63.7%

Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2014, Reported through 6/30/2016

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/13 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2015 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2015, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016

Percent Dead by 12/31/2015



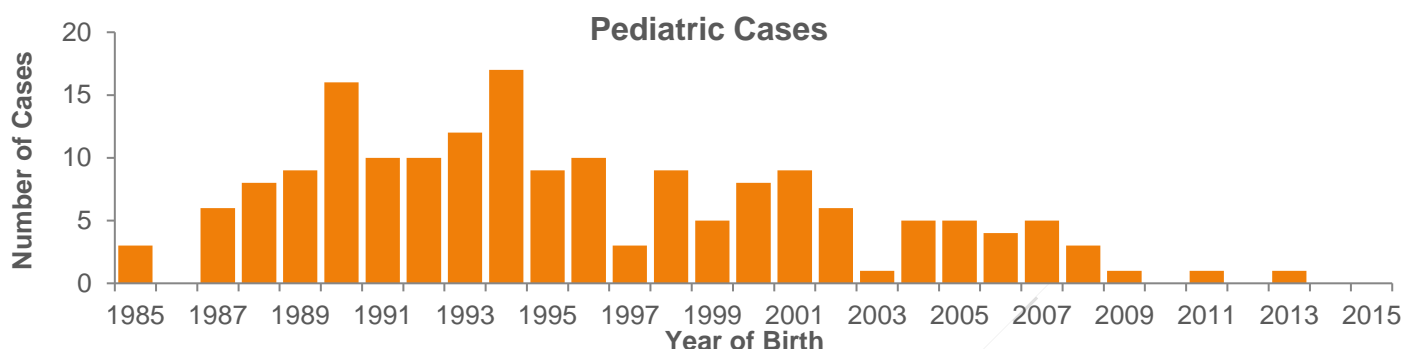
YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES							
	Reported AIDS Deaths				Percent Alive by Years After AIDS Diagnosis			
	No.	No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	53	53	100.0%	0.9	32.1%	5.7%	1.9%	0.0%
1985	86	84	97.7%	1.4	39.5%	15.1%	11.6%	3.5%
1986	115	107	93.0%	1.6	51.3%	32.2%	12.2%	8.7%
1987	187	183	97.9%	2.0	51.9%	29.4%	10.7%	5.9%
1988	205	194	94.6%	1.9	62.4%	36.6%	13.7%	7.3%
1989	266	244	91.7%	2.7	68.4%	50.8%	21.4%	12.8%
1990	293	272	92.8%	2.8	64.5%	47.8%	21.2%	13.0%
1991	360	318	88.3%	2.4	67.2%	51.4%	19.4%	14.7%
1992	439	371	84.5%	2.8	73.8%	52.6%	25.7%	20.7%
1993	459	374	81.5%	3.2	72.3%	56.9%	33.6%	25.7%
1994	503	381	75.7%	3.2	74.8%	55.5%	40.4%	30.2%
1995	487	326	66.9%	4.2	74.1%	64.7%	54.2%	42.9%
1996	414	260	62.8%	4.9	80.4%	74.4%	63.5%	48.3%
1997	356	191	53.7%	4.0	80.6%	75.0%	63.2%	53.4%
1998	322	169	52.5%	4.7	85.1%	81.4%	69.9%	55.0%
1999	345	163	47.2%	4.0	84.3%	78.6%	69.0%	57.7%
2000	344	147	42.7%	5.5	91.6%	89.0%	78.8%	64.5%
2001	347	129	37.2%	4.0	87.0%	83.9%	75.8%	67.4%
2002	373	135	36.2%	3.6	86.9%	84.5%	75.1%	67.6%
2003	422	143	33.9%	3.1	87.7%	82.7%	75.4%	67.8%
2004	418	113	27.0%	3.4	89.7%	86.8%	81.6%	74.6%
2005	440	114	25.9%	2.4	88.4%	85.9%	78.9%	74.1%
2006	394	73	18.5%	3.3	93.9%	91.4%	86.8%	--
2007	391	78	19.9%	2.2	90.3%	87.5%	83.6%	--
2008	332	59	17.8%	1.7	90.1%	87.7%	84.0%	--
2009	279	49	17.6%	1.4	90.3%	87.8%	82.4%	--
2010	344	47	13.7%	1.5	93.3%	90.7%	87.2%	--
2011	276	29	10.5%	1.1	93.8%	91.3%	--	--
2012	322	31	9.6%	0.7	92.9%	91.0%	--	--
2013	322	24	7.5%	0.7	94.4%	93.5%	--	--
2014*	275	11	4.0%	0.6	97.1%	--	--	--
TOTAL	10,169	4,872	47.9%	3.1	81.9%	73.7%	62.4%	55.7%

*2014 AIDS deaths are preliminary.

Section IX – Pediatric Cases

Figure 12 – Trends in Pediatric HIV Cases, 1985-2015, Reported through 6/30/2016

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2015, as Reported by Name through 6/30/2016



YEAR	PEDIATRIC REPORTED HIV DIAGNOSES				PEDIATRIC TOTAL LIVING HIV CASES
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	18	2	1	0	
1985	3	4	2	1	5
1986	0	5	0	0	10
1987	6	5	4	0	15
1988	8	3	3	2	17
1989	9	6	5	2	21
1990	16	10	5	4	27
1991	10	11	8	3	35
1992	10	11	6	2	43
1993	12	8	8	4	47
1994	17	7	4	2	53
1995	9	9	8	5	56
1996	10	11	8	2	65
1997	3	3	5	0	68
1998	9	4	0	3	69
1999	5	13	6	0	81
2000	8	5	2	0	87
2001	9	5	3	1	89
2002	6	10	3	0	99
2003	1	3	1	4	98
2004	5	4	2	3	99
2005	5	8	3	2	105
2006	4	11	3	1	115
2007	5	18	2	1	132
2008	3	4	2	0	137
2009	1	3	0	0	140
2010	0	1	2	1	141
2011	1	4	2	0	145
2012	0	1	0	0	148
2013	1	2	1	0	149
2014	0	3	2	0	152
2015	0	0	4	0	150
TOTAL	194	194	105	43	

Table 24 – Pediatric HIV Total Living HIV Cases, Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Montgomery	45	30.0%
Prince George's	105	70.0%
TOTAL	150	100.0%

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis for pediatric reported HIV diagnoses, and jurisdiction of residence at later of time of initial HIV diagnosis or initial AIDS diagnosis for pediatric total living HIV cases.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Male	73	48.7%
Female	77	51.3%
TOTAL	150	100.0%

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Hispanic	5	3.4%
Non-Hispanic	144	96.6%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	126	84.6%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	9	6.0%
Multiracial/Other	9	6.0%
TOTAL	149	100.0%

Pediatric Reported HIV Diagnoses: Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of living cases on the specified date.

AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Current Residence: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Jurisdiction of Residence: Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Living HIV Cases with AIDS: Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Living HIV Cases without AIDS: Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Mean Years from AIDS diagnosis to AIDS Death: Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

Median: The measure of central location, which divides a set of data into two equal parts.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Pediatric Reported HIV Diagnoses: Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Percent Alive by Years after AIDS Diagnosis: Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Percent with AIDS: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2015.

Percent with AIDS by Years after HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

Population: Population estimate for 7/1/2015.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Reported AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Retained in HIV Care: HIV Diagnosed with a CD4 test result measured in the specified year, reported through 6/30/2016.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.